SAFETY DATA SHEET

Revision Date: 28-Mar-2021 **Version 3**

1. IDENTIFICATION

Product identifier

Product name Foxfire Matrix Pro®

Recommended use Product for construction materials
Uses advised against Non-cementitious/non-masonic applications

Details of the supplier of the safety data sheet

Foxfire Enterprises, Inc.
18440 3rd Street
San Antonio, Texas 78266
(254) 829-1943

Emergency telephone number

Emergency telephone **Foxfire** (254) 829-1943
CHEMTREC (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
Not classified

Label Elements

Signal word
None

Hazard statements
None

Precautionary Statements
None

Hazards not otherwise classified (HNOC)
Health: Not Applicable.
Physical: Not Applicable.

Other Information
Causes mild skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture. Health hazard information is based on its ingredients

Chemical Name	CAS No	Weight - %
Silicic acid, potassium salt	1312-76-1	5 - 10

*** The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret**

4. FIRST AID MEASURES

Description of first aid measures

General Advice Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. When symptoms persist call physician

Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing give artificial respiration and/or oxygen
Skin contact	Wash off immediately with soap and water. Remove and wash contaminated clothing before re-use.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing

Most important symptoms and effects, both acute and delayed

Main symptoms Redness, itching

Indication of immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment: Use CO2, dry chemical, or foam. Cool containers / tanks with water spray

Extinguishing media which shall not be used for safety reasons
Do not use a solid water stream as it may scatter and spread fire

Special hazards arising from the substance or mixture

Special Hazard
During fire, gases hazardous to health may be formed.

Hazardous decomposition products
Flammable hydrogen gas may be produced on contact with aluminum, tin, lead and zinc

Advice for firefighters

Special protective equipment for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition

Advice for non-emergency personnel	Material can create slippery conditions. Evacuate personnel to safe areas. Do not touch of walk through spilled material.
Advice for emergency responders	For personal protection see section 8

Environmental precautions
Prevent further leakage or spillage if safe to do so. Keep people away from and upwind of spill/leak. Do not flush into surface water or sanitary sewer system. If material is released indicate risk of slipping. Do not walk through spiled material. Prevent product

from entering drains. Local authorities should be advised if significant spillages cannot be contained. High pH of this material may be harmful to aquatic life.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust). Dike to collect large liquid spills.

Reference to other sections

See Section 8/12/13 for additional information

7. HANDLING AND STORAGE

Precautions for Safe handling

Wear personal protective equipment. Avoid contact with skin, eyes, and clothing. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. Avoid generation of mist. Do not eat, drink, or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Remove all sources of ignition.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep from freezing. Keep out of the reach of children. Avoid formation of aerosol.

Recommended Shelf Life

No information available

Incompatible materials

Strong oxidizing agents, strong acids, strong bases, water reactive metals, and ammonium salts, aluminum, fiberglass, copper, brass, zinc

Specific end uses

Specific use(s)	Product for construction materials

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Exposure controls

Engineering Controls	Showers Eyewash stations Ventilation systems

Individual protection measures, such as personal protective equipment

Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear protective clothing to cover exposed areas of arms, legs, and torso. Wear impervious butyl rubber protective gloves
Respiratory protection	No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit
Hygiene measures	Wear personal protective equipment. Avoid contact with skin, eyes, and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink, or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid	**Odor**	Odorless
Appearance	Clear to slightly translucent	**Odor threshold**	No information available

Property	Values	Remarks / • Method
pH	11 – 12	Estimated
Melting point/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	Miscible	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

Other information

Molecular weight	No information available
VOC Content	No information available
VOC content (ASTM E-1868-10)	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity
None under normal use conditions

Chemical Stability
Stable under recommended storage conditions

Possibility of Hazardous Reactions
None under normal processing

Conditions to avoid
Do not freeze

Incompatible materials
Strong oxidizing agents, strong acids, strong bases, water reactive substances (e.g. acetic anhydride, alkyl aluminum chloride, calcium carbide, ethyl dichlorosilane). Gels and generates heat when mixed with acid. May react with ammonium salts resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc

Hazardous Decomposition Products
Hydrogen.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Mild skin irritation. Due to the pH of the mixture (see Section 9) possible skin/eye corrosion cannot be disregarded.
Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	Mild skin irritation
Ingestion	Based on available data, the classification criteria are not met.

Component Information

No information available

Information on toxicological effects

Symptoms	Mild skin irritation. Due to the pH of the mixture (see Section 9) possible skin/eye corrosion cannot be disregarded.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Mild skin irritation
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - Repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No information available

Persistence and degradability
This material is not persistent in aquatic systems, but its high pH when undiluted or unneutralized is acutely harmful to aquatic life. Diluted material rapidly depolymerizes to yield dissolved silica in a form that is indistinguishable from natural dissolved silica. It does not contribute to BOD.

Bioaccumulation
This material does not bioaccumulate except in species that use silica as a structural material such as diatoms and siliceous sponges. Where abnormally low natural silica concentrations exist (less than 0.1 ppm), dissolved silica may be a limiting nutrient for diatoms and a few other aquatic algal species. However, the addition of excess dissolved silica over the limiting concentration will not stimulate the growth of diatom populations; their growth rate is independent of silica concentration once the limiting

concentration is exceeded. Neither silica nor potassium will appreciably bioconcentrate up the food chain.

Mobility
Sinks and mixes with water. Only water will evaporate from this material.

Other adverse effects
The alkalinity of this material will have a local effect on ecosystems sensitive to changes in pH.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal methods	Dispose in accordance with applicable regional, national, and local laws and regulations
Contaminated packaging	Observe all label precautions until container is cleaned, reconditioned, or destroyed

14. TRANSPORT INFORMATION

DOT	This material is not regulated hazardous material for transportation.
TDG	This material is not regulated hazardous material for transportation.
IATA	This material is not regulated hazardous material for transportation.
IMDG	This material is not regulated hazardous material for transportation.

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	No information available
ENCS	No information available
IECSC	No information available
KECL	No information available
PICCS	No information available
AUSTRALIA (AICS)	No information available

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

TSCA Section 12(b) Export Notification
To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this Regulation.

Sara 313
Section 313 of the Tittle III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Tittle 40 of the Code of Federal Regulations, Part 372

Sara 311/312

- None

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorized Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

HAPS (Hazardous Air Pollutants):

This product does not contain any substances regulated as Hazardous Air Pollutants (HAPS) pursuant to the Clean Air Act.

US State Regulations

SCAQMD Rule 1144

This product has not been tested for VOC content by the ASTM E-1868-10 method and is not approved for sale or distribution in the SCAQM District of California if the product is used as a metal forming, metal removal, metal treating, metal protection fluid or as a direct-contact lubricant.

California Proposition 65

This product does not contain any substances which are regulated under the State of California Prop 65.

U.S. State Right-to-know Regulations

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under these regulations

U.S. EPA Label Information

EPA Pesticide Registration Number: No applicable

16. OTHER INFORMATION

NFPA	**Health hazards** 1	**Flammability** 0	**Instability** 0	**Physical and Chemical Properties** -
HMIS	**Health hazards** 1	**Flammability** 0	**Physical hazards** 0	**Personal Protection** X

Issue Date	28-Mar-2020
Revision Date	12-Feb-2021
Revision Note	SDS Review

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such product when used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet